

## CLAIMS:

1. A display panel control device comprising:  
means (6) for processing a video signal to generate a processed video signal;  
means (2) for generating sub-fields based on said processed video signal;  
means (3,4) for generating a number of control pulses per second based on  
5 said processed video signal and for providing an automatic power control, wherein contrast is controlled in dependence on a user contrast control applied to said control pulses generating means (3,4) by multiplying the number of sustain pulses per time period by a same factor for all sub-fields.
- 10 2. A display panel control device according to claim 1, wherein brightness is controlled in dependence on a user brightness control applied to said control pulses generating means (3,4) by increasing or decreasing the number of sustain pulses per time period applied to a given sub-field by a given brightness offset value.
- 15 3. A display panel control device according to claim 1, wherein brightness is controlled in dependence on a user brightness control signal applied to said control pulses generating means (3,4) by controlled light generation during an erase phase.
4. A display system comprising a display panel (1) and a display panel control  
20 device according to claim 1.